Docket No. 1999-0059

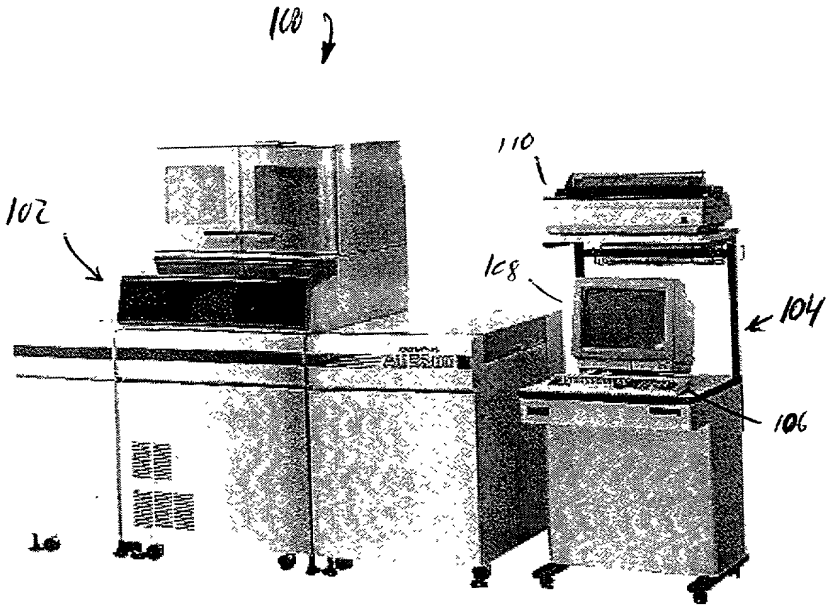



Figure 1

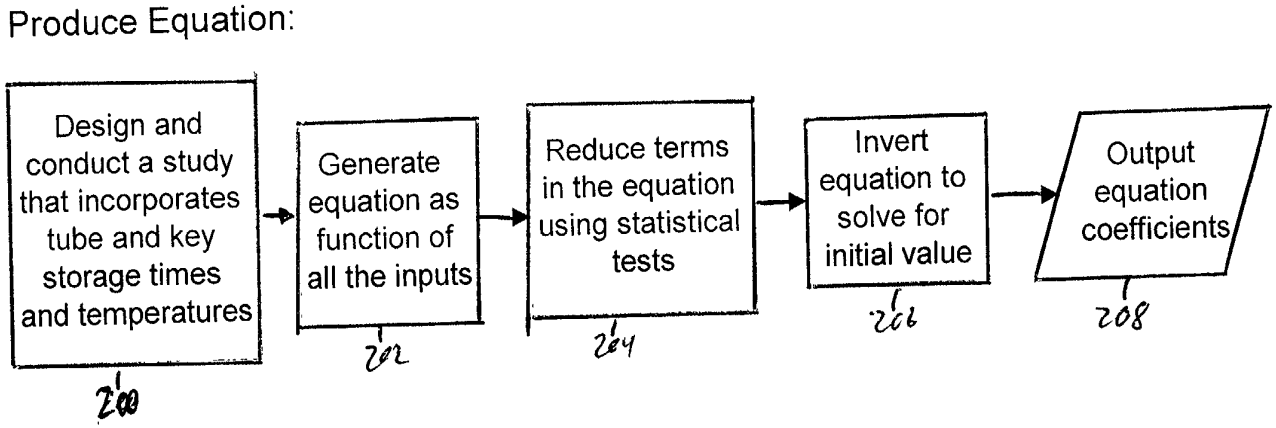

Produce Equation:
Design and conduct a study that incorporates tube and key storage times and temperatures
200
Generate equation as function of all the inputs
202
Reduce terms in the equation using statistical tests
204
Invert equation to solve for initial value
206
Output equation coefficients
208

Figure 2

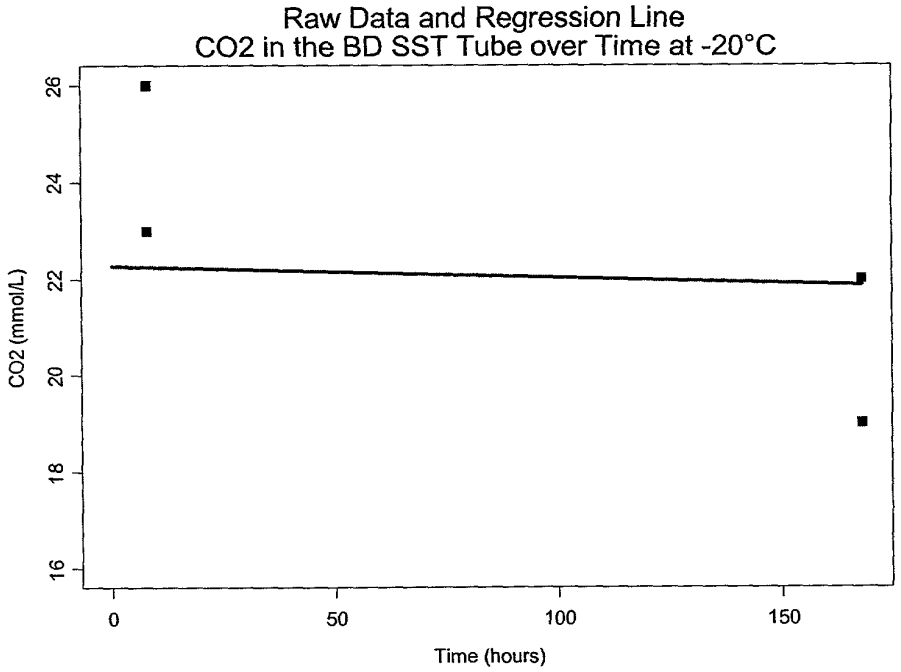



Figure 3(a)

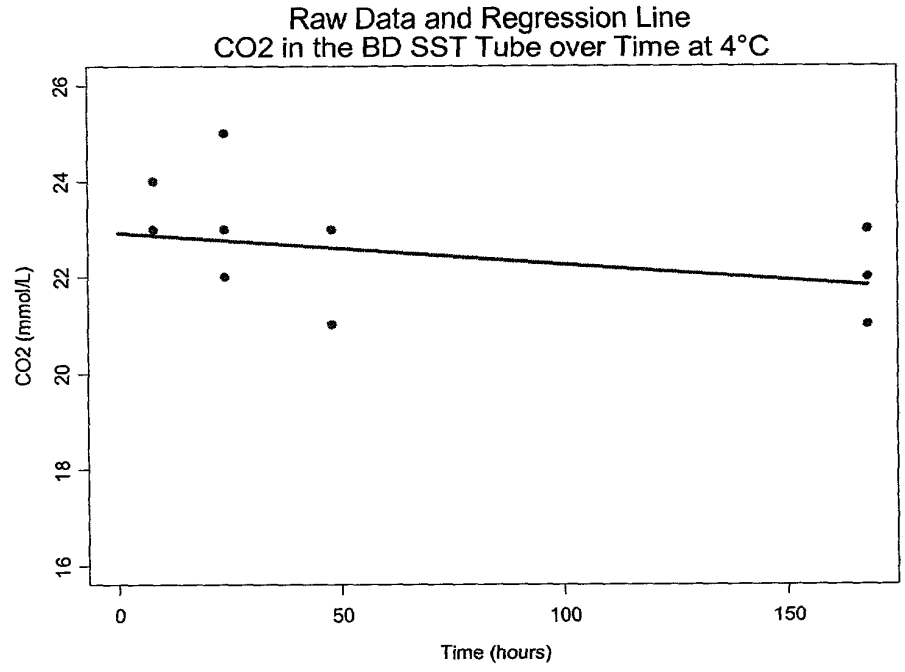



Figure 3(b)

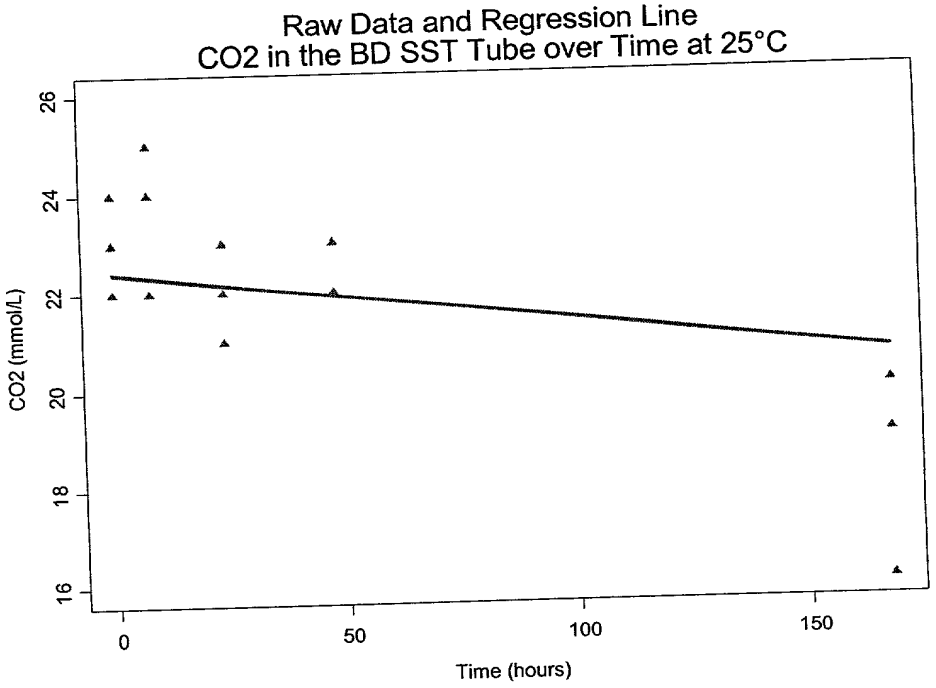



Figure 3(c)

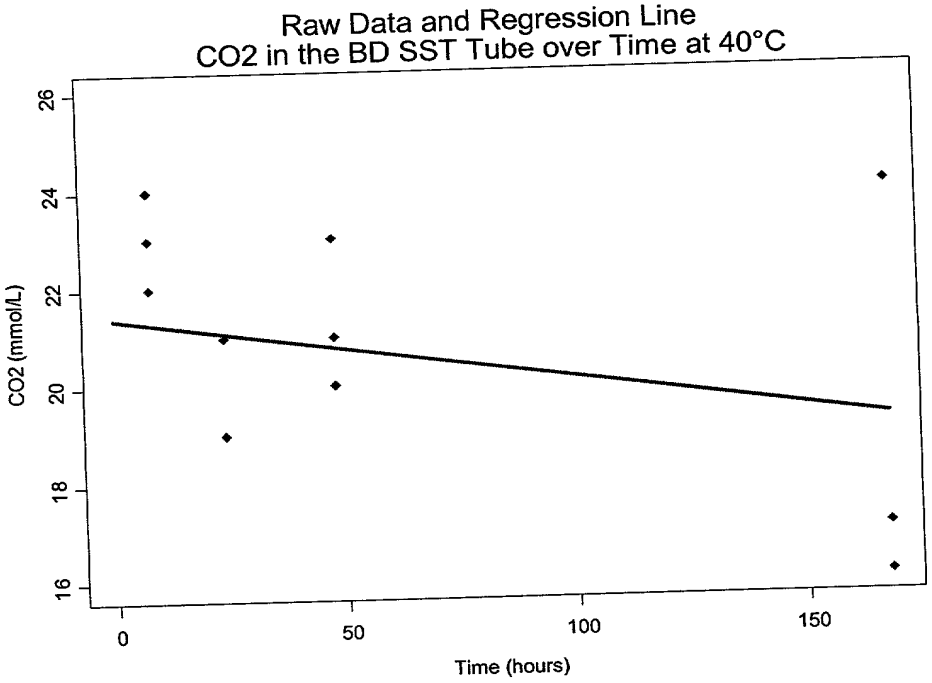



Figure 3(d)

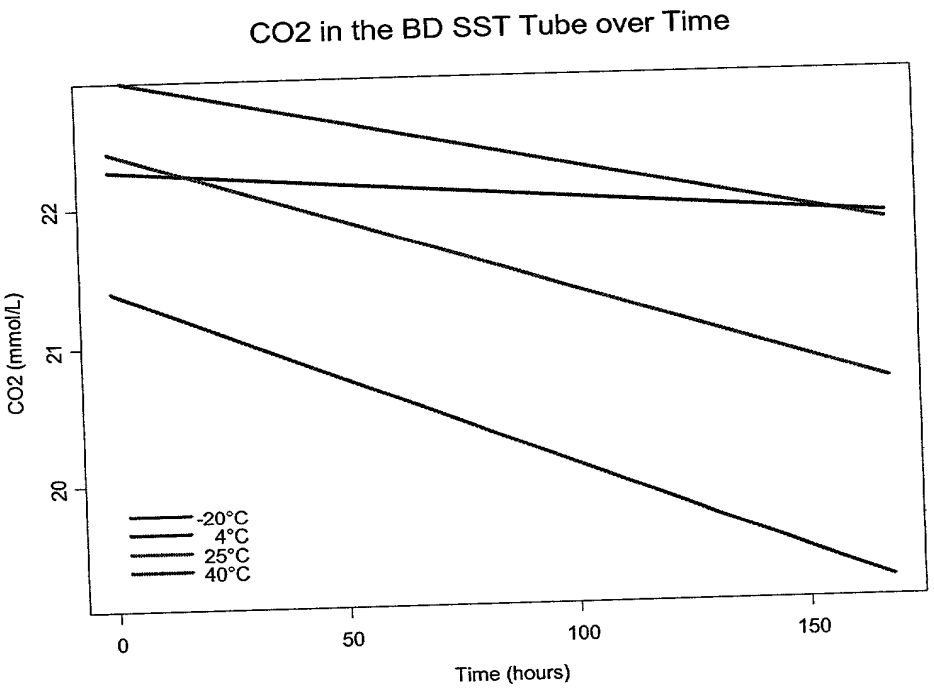

CO2 in the BD SST Tube over Time
CO2 (mmol/L)
20
21
22
0
50
100
150
Time (hours)
-20°C
4°C
25°C
40°C

Figure 3(e)

PROPERTY OF SIEMENS

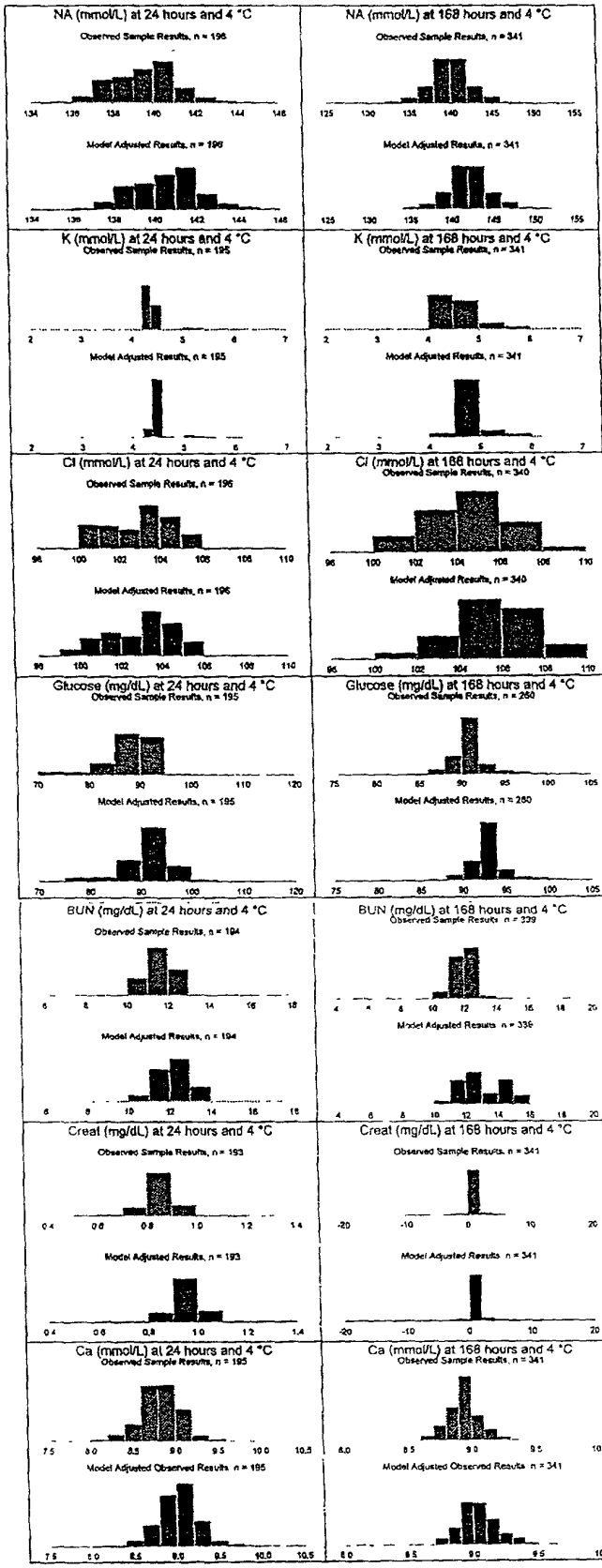



Figure 4

TOOETT" TD896660

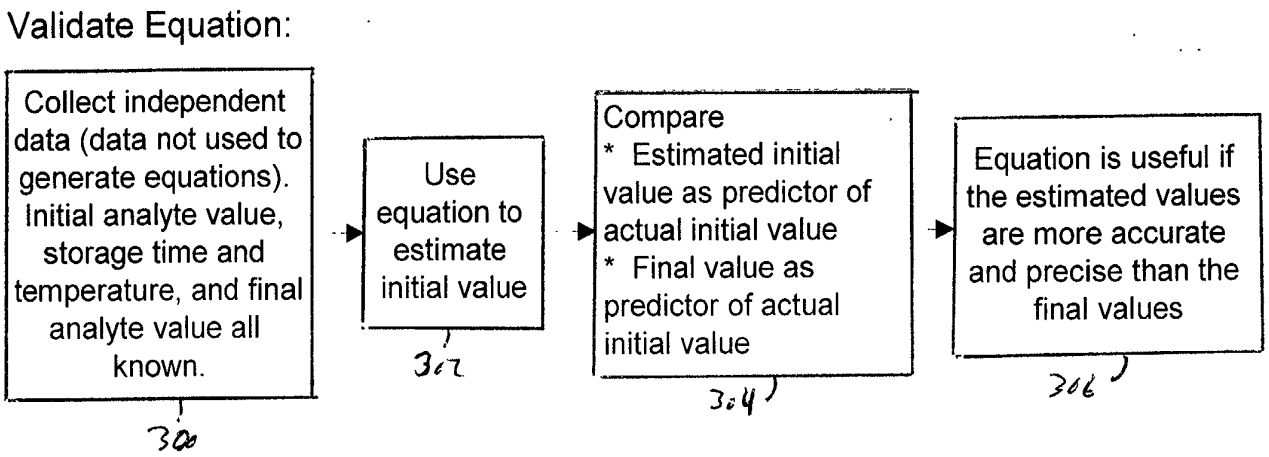



Figure 5

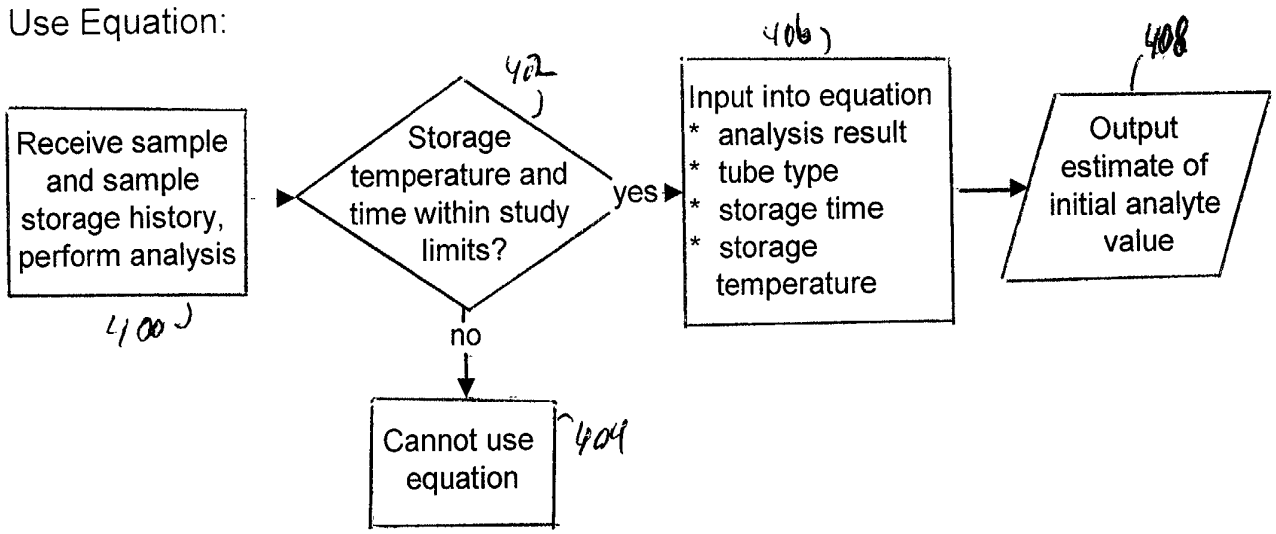

Use Equation:
Receive sample and sample storage history, perform analysis
400
Storage temperature and time within study limits?
402
yes
no
Cannot use equation
404
Input into equation
* analysis result
* tube type
* storage time
* storage temperature
406
Output estimate of initial analyte value
408

Figure 6